

In re Appln. of Hinken  
Application No. Unassigned (U.S. National Phase of PCT/EP99/07440)

27 24. The method of claim <sup>23</sup>23, wherein for the improved localization and shape determination of the inhomogeneity the temperature profile in the sample is differently set in subsequent measurements.

28 25. The method of claim <sup>24</sup>24, wherein for the improved localization and shape determination of the inhomogeneity the temperature profile in the sample is differently set in subsequent measurements.

29 26. The method of claim <sup>25</sup>25, wherein for the improved localization and shape determination of the inhomogeneity the temperature profile in the sample is differently set in subsequent measurements.

30 27. The method of claim <sup>26</sup>26, wherein for the improved localization and shape determination of the inhomogeneity the temperature profile in the sample is differently set in subsequent measurements.

31 28. The method of claim <sup>23</sup>26, wherein, in subsequent measurements, the magnetic field is measured at different distances to the sample.

32 29. The method of claim <sup>23</sup>29, wherein one simultaneously measures with several measuring sensors.

#### REMARKS

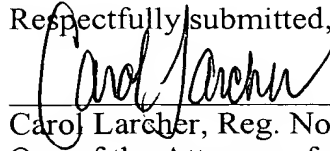
The present application is the U.S. national phase of a PCT application. In the present Amendment, claims 1-11 are cancelled, and claims 12-29 are added. The claims have been amended to conform the claims to U.S. patent practice and to eliminate multiple claim dependencies. No new matter has been added by way of these amendments.

The application is considered to be in good and proper form for allowance, and the Examiner is respectfully requested to pass this application to issue. If in the opinion of the

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Examiner a telephone conference would expedite the prosecution of the subject application,  
the Examiner is invited to call the undersigned attorney.

Respectfully submitted,



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